

IN THE CLAIMS

This listing of claims replaces all prior listings.

1. (Currently Amended) An ink-jet recording method in which recording is executed by discharging inks of different ~~a plurality of colors from a discharge opening~~ as droplets of ink to be attached onto a recording material, ~~the method~~ comprising:

discharging successive ink droplets using a line head ink-jet printer configured such that an interval between a discharge of a droplet of an ink of a first color and a discharge of a successive droplet of an ink of a second different color is 50 msec to 200 msec of a first color and a second color with an interval of 50 msec to 200 msec therebetween[;]].

wherein using said line head ink-jet printer includes:

using inks having a surface tension of 25 to 45 mN/m at 23°C for said inks of each color, and

using a recording material, onto which said ink droplets are discharged, that (i) has an ink absorption amount in 100 msec of 15 mL/m² or more, and (ii) includes at least one of (a) a coated paper having a porous coating layer, (b) a glossy paper having a glossy recording surface, and (c) an OHP recording sheet having a porous coating layer on a transparent base material.

~~using inks having a surface tension of 25 to 45 mN/m at 23°C and an ink solvent containing water for each of said inks; and~~

~~using a recording material having an ink absorption amount in 100 msec of 15 mL/m² or more.~~

2. (cancelled)

3. (Previously Presented) The ink-jet recording method according to claim 1, wherein the recording material has an ink absorption amount in 100 msec between 15 and 99 mL/m².

4. (Currently Amended) ~~[[An]] A line head ink-jet printer in which recording is executed by discharging inks of a plurality of different colors from a discharge opening as droplets of ink to be attached onto a recording material, comprising:~~

a plurality of line heads for inks of different colors,

wherein the line head ink-jet printer

(a) discharges successive ink droplets via the plurality of line heads and is configured such that an interval between a discharge of a droplet of an ink of a first color and a discharge of a successive droplet of an ink of a second different color is 50msec to 200 msec,

(b) uses inks having a surface tension of 25 to 45 mN/m at 23°C for said inks of each color, and

(c) discharges said ink droplets onto a recording material (i) that has an ink absorption amount in 100 msec of 15 mL/m² or more, and (ii) includes at least one of (1) a coated paper having a porous coating layer, (2) a glossy paper having a glossy recording surface, and (3) an OHP recording sheet having a porous coating layer on a transparent base material.

~~an interval between a discharge of a droplet of an ink of a first color and a discharge of a droplet of an ink of a second color is 50msec to 200 msec;~~

~~an ink surface tension of 25 to 45 mN/m at 23°C for said inks of each color;~~

~~an ink absorption amount of said recording material in 100 msec is 15 mLm² or more;~~

and

~~an ink solvent containing water for said inks of each color.~~

5. (cancelled)

6. (currently amended) The line head ink-jet printer according to claim 4, wherein the ink absorption amount in 100 msec of said recording material is between 15 and 99 mL/m².

7. (currently amended) The ink-jet recording method ~~printer~~ according to claim 1, wherein the ink absorption amount of said recording material in 100 msec is between 15 and 40 mL/m².

8. (currently amended) The line head ink-jet printer according to claim 4, wherein the ink absorption amount of said recording material in 100 msec is between 15 and 40 mL/m².

9. (currently amended) The ink-jet recording method ~~printer~~ according to claim 1, wherein the ink absorption amount of said recording material in 100 msec is between 18 and 40 mL/m².

10. (currently amended) The line head ink-jet printer according to claim 4, wherein the ink absorption amount of the said recording material in 100 msec is between 18 and 40 mL/m².

11. (currently amended) The ink-jet recording method ~~printer~~ according to claim 1, wherein further comprising:

~~adding an organic solvent to said ink solvent~~ each of said inks of each color includes an organic solvent [.,.] ~~wherein said~~ and said organic solvent is 5 to 50% of a total ink mass ~~of each of said inks.~~

12. (currently amended) The ink-jet recording method ~~printer~~ according to claim 11, ~~further comprising: adding an organic solvent to said ink solvent, wherein said~~ wherein said organic solvent is 10 to 35% of the total ink mass ~~of each of said inks~~.

13. (currently amended) The ink-jet recording method ~~printer~~ according to claim 1, ~~further comprising: adjusting surface tension of each of said inks by adding~~ wherein each of the inks includes one of an anion surfactant, a cation surfactant, a nonionic surfactant, and an ampholytic surfactant ~~to each of said inks~~.

14. (currently amended) The ink-jet recording method ~~printer~~ according to claim 1, ~~further comprising: wherein each of said inks of each color includes~~ adding one of a pH adjuster, an amine, chelating reagent, preservative, antirust, and ultraviolet absorber to each of said inks.

15. (currently amended) The line head ink-jet printer according to claim 4, wherein ~~said ink solvent contains an organic solvent of 5 to 50% of a total mass of each of said inks~~ each of said inks of each color includes an organic solvent and said organic solvent is 5 to 50% of a total ink mass.

16. (currently amended) The line head ink-jet printer according to claim 15 ~~[[4]]~~, wherein said organic solvent is 10 to 35% of the total ink mass ~~said ink solvent contains an organic solvent of 10 to 35% of a total mass of each of said inks~~.